# Eashan Gandotra

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## EDUCATION

- **Georgia Institute of Technology** — Atlanta, Georgia
  *Bachelor of Science in Mathematics, Minor in Computing and Intelligence* — *August 2019 - May 2023*
  **GPA:** *3.96, Dean's List for all semesters*

## EXPERIENCE

- **Chicago Trading Company**
  *Quant Trading Analyst Intern* — *May 2022 - August 2022*
  - Created a Python application to manage risk exposure to the imperfect correlation between gold futures (GC) and gold ETFs (GLD)
  - Built an understanding for trading and market making by shadowing quants/traders on various desks and completing CTC's Mock Trading, Quant Curriculum, and Basics of Options courses
  - Won the CTC Hackweek "Fresh Eyes" category for researching market edge in sports betting by experimenting with loss functions in a neural network model

- **McKesson Corporation**
  *Automation Engineer Intern* — *May 2021 - August 2021*
  - Built Jenkins pipeline to automate responses to IP address requests in ServiceDesk
  - Scripted in Bash and PowerShell to make Jenkinsfiles OS agnostic
  - Worked on Red-Hat Linux with Ansible, Vault, Jenkins, and Docker to help build out a CI/CD pipeline

- **GTRI - Sensors and Electromagnetic Applications Laboratory**
  *Research Intern* — *July 2018 - August 2018*
  - Optimized and evaluated radar wave-forms by collecting and curve-fitting data on MATLAB

## PROJECTS

- **A Stuck Wizard**: Worked with Georgia Tech professor and magician Dr. Matt Baker to come up with a few special card-deck arrangements (based on de Bruijn sequences) that let users perform some surprising tricks...
- **Sloth**: An AI-based player of the online auto-chess game Super Auto Pets. Due to its complexity, SAP poses unique challenges for algorithmic players. Read about the various techniques we used to overcome these challenges and optimize performance here: https://mark-ni.github.io/SuperAutoPetsAI/
- **Terminal Agents**: Heuristic driven Python agents for Terminal (an adversarial, turn-based, resource management game) that reached the top 100 out of over 50,000 entries for the current competition season
- **Smash GBA Game**: Game Boy Advanced game loosely based on the Super Mario Smash Bros. series (can be run on emulators)
- **myrapspace.com**: A free, online freestyle rap tool made with the RhymeBrain API

*See my GitHub for more details and other projects

## HONORS AND AWARDS

- **William Lowell Putnam Exam**: Placed in the top 20% in 2019 and top 500 in 2020 on this proof-based math competition
- **Fresh Eyes Competition Winner**: My "Automating Server Builds and Deployment with Ansible and Terraform" presentation was selected to be presented to senior leadership at McKesson
- **Hack@Brown Wolfram Award Winner**: Was third on Wolfram's top 25 hacks list for creating My Rap Space (see projects or my GitHub for more details)
- **HackGSU Cryptography Award Winner**: Decoded encrypted text using ciphers and mathematical tools
- **American Invitational Mathematics Examination (AIME) Qualifier**: Placed in the top 2.5% on the American Mathematics Competition (AMC 12) to qualify and scored at the 75th percentile
- **Horizon Accelerator Award**: Awarded after my GTRI internship for "outstanding skills development and willingness to learn"

## SKILLS AND ACTIVITIES

- **Technical**: Java, Python, C++, C, JavaScript, HTML, CSS, Bash, PowerShell, Git, LaTeX
- **Programming Team**: Competed in 100+ competitive programming contests through the Codeforces website (peak rating 1754) and on Georgia Tech's top undergrad team in the North American Championship (NAC) for the International Collegiate Programming Competition (ICPC)
- **Math Club**: Have 500+ posts discussing and solving math problems on the Art of Problem Solving website fora
- **Molecular Gastronomists**: Club for cooking and exploring the ties between food and science
- **Languages**: English, Hindi, Spanish